



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I

J.F. KENNEDY FEDERAL BUILDING, BOSTON, MASSACHUSETTS 02203-2211

File 3.1  
Site: New Bedford  
Break: 3.1  
Other: 225114

October 22, 1987



SDMS DocID 000225114

Ms. Beth Ryan  
E. C. Jordan Company  
107 Audubon Road  
Corporate Place 128 -- Building 2  
Wakefield, MA 01880

Dear Ms. Ryan:

As you requested, I have used EPA's Graphical Exposure Modeling System (GEMS) to produce the enclosed display of the population distribution in the vicinity of the New Bedford Harbor site. I understand that this information will be used to support EPA's evaluation of the potential health risks associated with the possible emission of PCBs from the New Bedford Harbor site. Furthermore, I understand that the request for GEMS information came from Kevin Garrahan of EPA Headquarters' Exposure Assessment Group in the Office of Health and Environmental Assessment.

The enclosed GEMS RADII-5 plot displays the locations of block group/enumeration district (BG/ED) population centroids within a user selected radius of the specified origin. In this case, a radius of 5 kilometers was used around an origin specified by 41° 39' 23" N latitude and 70° 55' 00" W longitude. The GEMS output also provides information on population within the selected radius by sectors centered on compass directions. All population information is based on 1980 census data.

If you have any questions or additional requests, feel free to contact me at (617) 565-3229.

Sincerely,

*Jon Pollack*

Jon Pollack  
Technical Support Branch

Enclosure

cc: K. Garrahan  
F. Ciavattieri ✓

THE PLOT CENTER IS AT:  
 LATITUDE 41.6584  
 LONGITUDE 78.9187  
 Number of rings: 1  
 Number of sectors: 16

RADII		POPULATION	
From	To	Within Ring	Cumulative
0.00	5.00	103372	103372

Sector	Population
N	3090
NNE	1236
NE	1101
ENE	379
E	2907
ESE	1908
SE	2839
SSE	3790
S	11084
SSU	17767
SU	16680
USU	7506
U	8245
UNU	4444
NU	7511
NNU	12006

KILOMETERS 0.00

5.00

SCALE 1: 47000

NBH1

